

# SwipeBite

---

SungJun Park  
Ramon Arias  
Shakhzod  
Yujin Juhn



01

Objective and  
Motivation

02

Project  
Progress

03

Final Design

04

Final  
Implementation  
(demo)

05

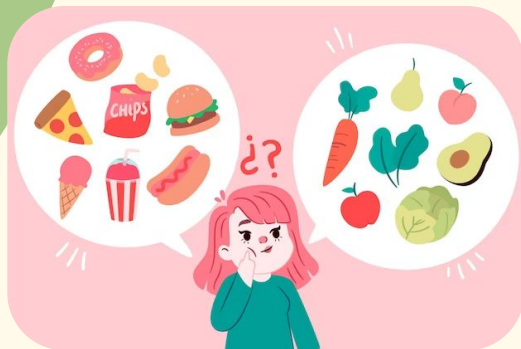
Challenges/  
Limitations

06

Evaluation

# Objective and Motivation

---



- Hard to decide
  - ***where*** to eat
  - ***what*** to eat
- Hard to find out
  - the ***business hours***
  - the ***parking availability***
- Hard to filter
  - by ***food type***
  - by ***parking***

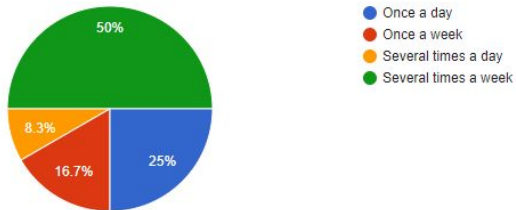
# Eating Out

- People eat out frequently
- Hassle of choosing where to eat
- Avg American couple spends 132 hrs
- “teens prefer... ones where they spend less time”

How often do you go out to eat?

응답 12개

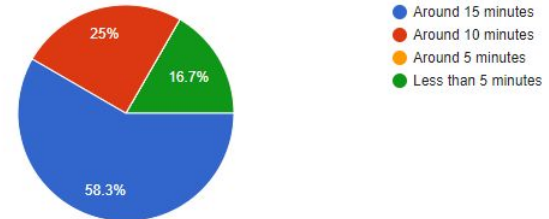
복사



How much time do you spend on choosing what to eat?

응답 12개

복사



## Project Plan – Actual Schedule

[illegible]

# Role Assignment

---

- **Shakhzod** - Backend Team

- Flutter
- Firebase
  - Registration/Login
  - Room creation
  - Upload data

- **Ramon Arias** - Frontend Team

- Figma design
- UI/UX design
- Flutter
  - Room management

- **Sung Jun Park** - Frontend/Backend Team

- Flutter
  - Swiping
  - Matching
- Naver maps crawler

- **Yujin Juhn** - Backend Team

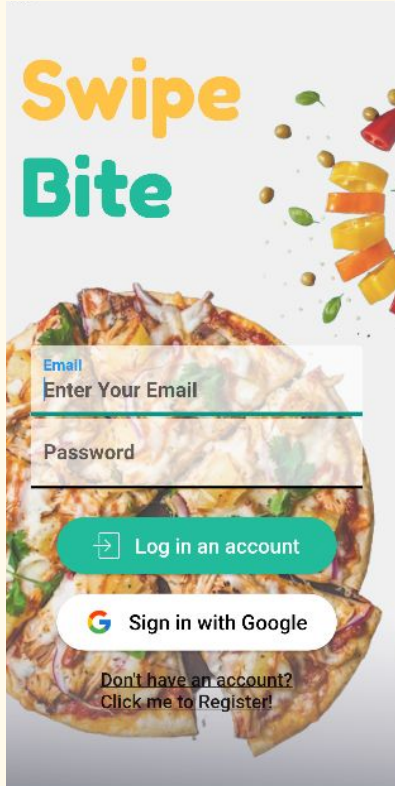
- Naver Maps crawler

# Final Design

🏠 > RestaurantsNSC > 1972재개발구역 <span>More in Google Cloud</span>		
(default)	RestaurantsNSC	1972재개발구역
<b>+ Start collection</b>	<b>+ Add document</b>	<b>+ Start collection</b>
RestaurantsHSSC	1972재개발구역 >	<b>+ Add field</b>
RestaurantsNSC >	1984그수육집칼국수 천천점	category: "패스트푸드 및 테이크아웃"
Rooms	1인자24시감자탕뼈해장국 울전점	dishPics
Users	20년전통 서수원갈비 육도락	0 "https://search.pstatic.net/common/?autoRotate=true&quality=95&type=f320_320&src=https%3A%2F%2Fdbphinf.pstatic.net%2F20201023_264%2F16033897833340AGUu_JPEG%
	27도불랑제리	dishes
	4년황기삼계탕	0
	60계치킨 수원울전점	name: "나가사끼짬뽕"
	60판왕뚜껍삼겹살 울전뜨란채점	price: "14,000원"
	60판왕뚜껍삼겹살 천천점	1
	60판왕뚜껍삼겹살천천푸르지오점	name: "재개발고기한판"
	BBQ치킨 수원성대역점	price: "15,500원"
	BBQ치킨 천천점	2
	BHC치킨 성대울전점	
	BHC치킨 성대푸르지오점	

HSSC 641  
NSC 439

# Final Design



← **Register**

## Register new account

Name

Email

Password

Confirm Password

Register

Already have an account?  
Go to Login

← **Create Room**

Enter Room Name

NSC

Create Room

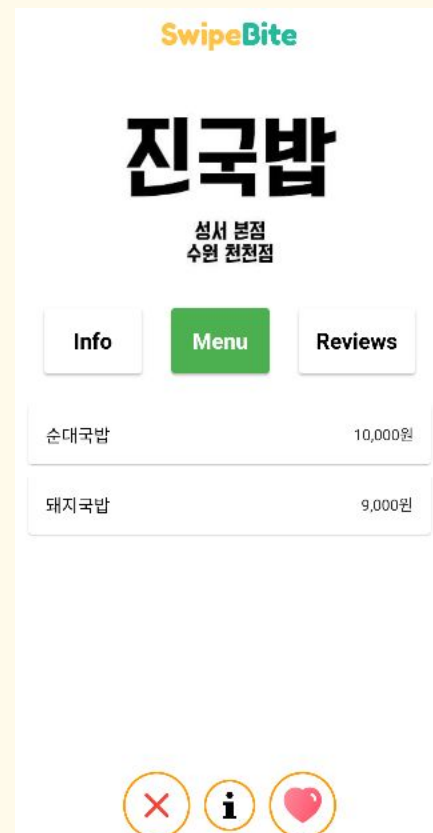
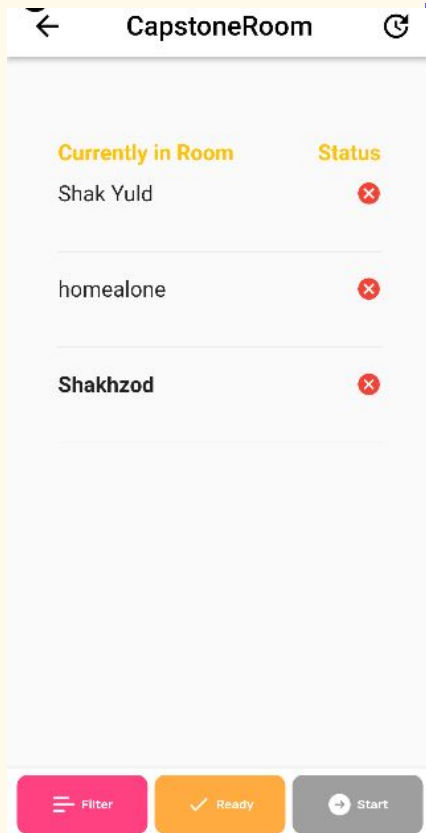
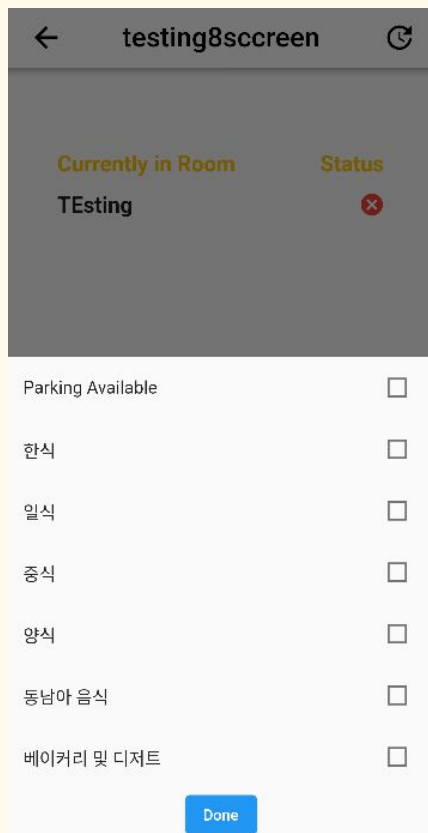
← testing8sscreen ⌚

Currently in Room	Status
TEsting	✖

Filter Ready Start



# UI/UX



# UI/UX

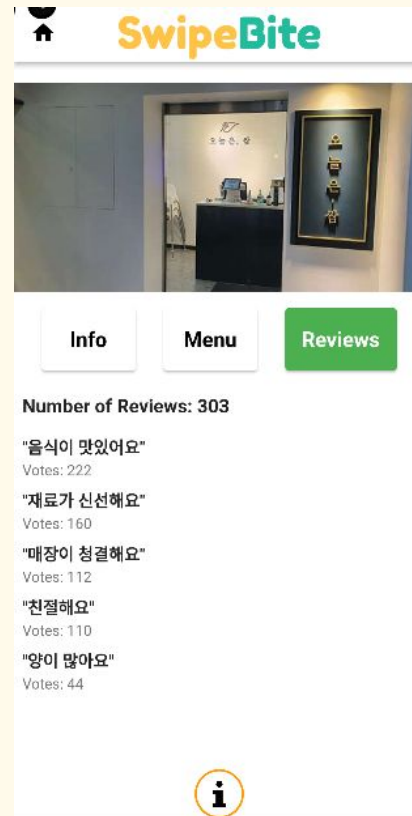
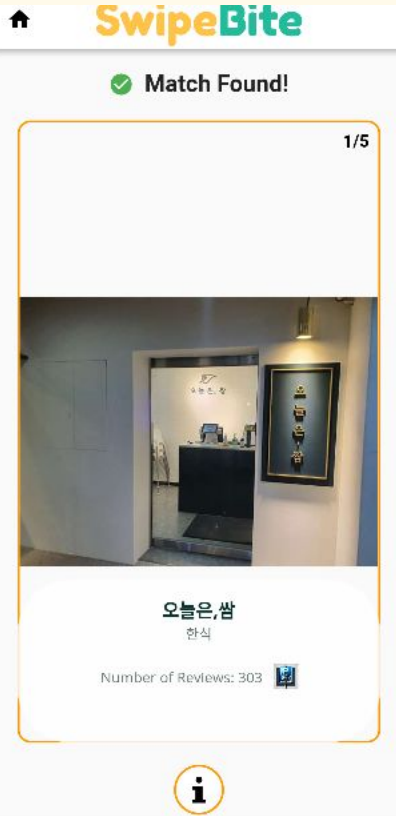
## SwipeBite

Please Wait...



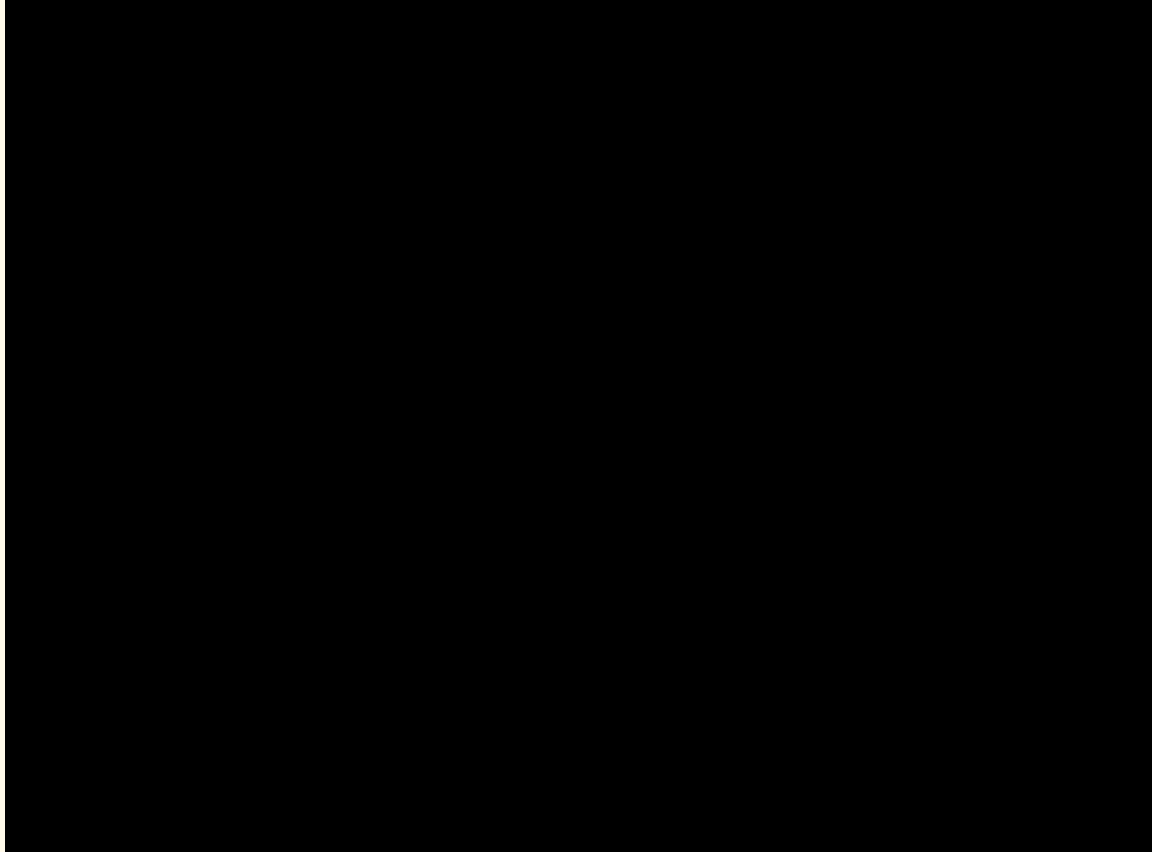
Other room members are making their choices.

What's the best thing about a bread joke? It never gets stale, even if you have to loaf around for a bit.



# Demo

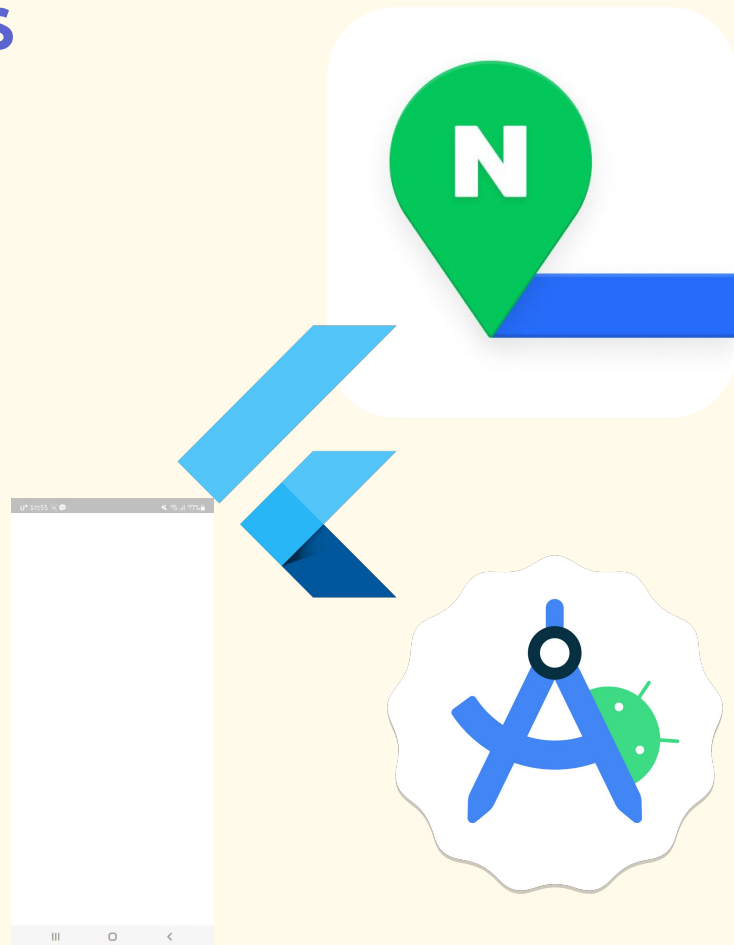
—



# Challenges

---

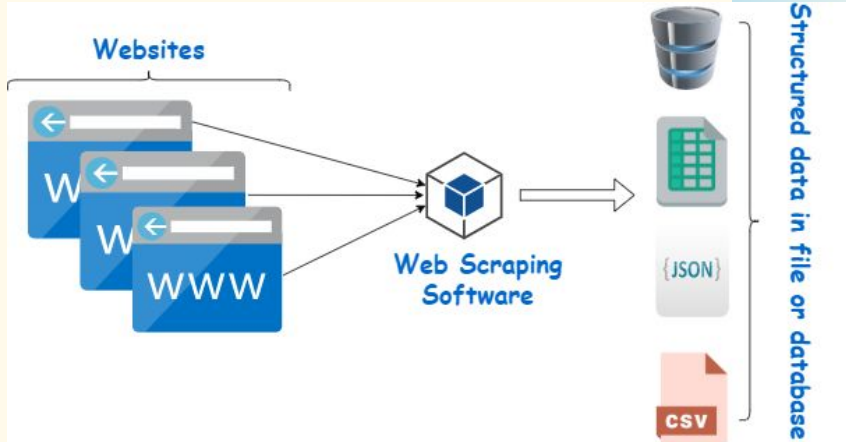
- Naver Maps API, developed web crawler
- Flutter, new framework
- Debugging in Android Studio
- UI implementation
- Race conditions



# Limitations

---

- Time constraint
- Dataset - image selection, image type
- No access to Mac



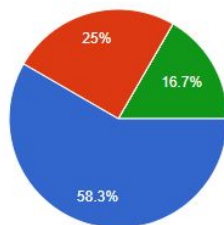
# Evaluation

---

How much time do you spend on choosing what to eat?

응답 12개

복사

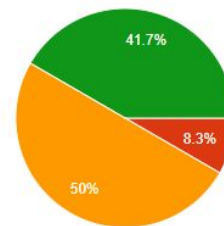


- Around 15 minutes
- Around 10 minutes
- Around 5 minutes
- Less than 5 minutes

How much time did it take to choose the place using SwipeBite?

응답 12개

복사



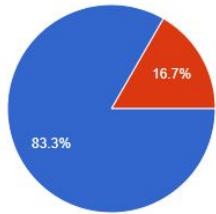
- Around 15 minutes
- Around 10 minutes
- Around 5 minutes
- Less than 5 minutes

# Evaluation

Did the SwipeBite help you to choose a place to eat?

응답 12개

복사

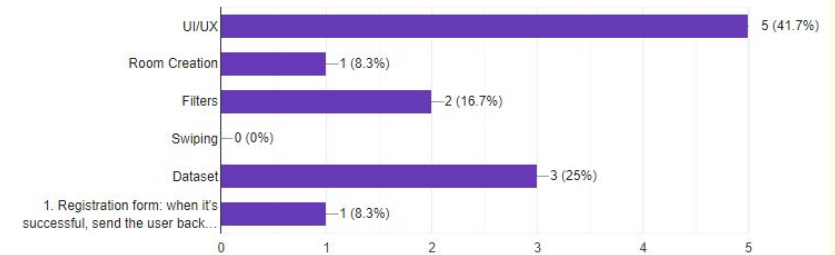


● Yes  
● No  
● Maybe

Which aspect of SwipeBite must be improved?

응답 12개

복사



**Thanks!**



# References

---

*American couples spend 5.5 days a year deciding what to eat.* (n.d.). Retrieved December 7, 2023, from

<https://nypost.com/2017/11/17/american-couples-spend-5-5-days-a-year-deciding-what-to-eat/>

Whitten, S. (2018, April 10). *Teens would rather eat out than buy more clothes: Study*. CNBC.

<https://www.cnbc.com/2018/04/10/teens-would-rather-dine-at-starbucks-than-buy-more-clothes.html>